# Part List, Standard

Applicable for R320s and R320sc

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# 1 Mounting Drawings

The Mounting drawings show the components position on the printed board. The Mounting drawings can be found in document 1078-2/FEA 209 544/21.

| Board Number | Mounting Drawing |
|---|---|
| 2/ROA 117 9192/1 R1C | 1078-2/ROA 117 9192/1 Rev A |

# 2 Component List

- Pos.:
  The components position number on the board.
- Description:
  Type of component mounted on the position.
- Part Number:
  The components part number (or reference to Board Revision Changes) is specified for all components that can be replaced according to the Standard Repair Process.
- Ref.:
  If the component is mentioned in the Trouble Shooting Guide, Standard, the chapter is written in this column. Not all of the components that can be replaced according to the Standard Repair Process are mentioned in the Guide.
- Comments:
  Special soldering requirement.
  Functions that are affected if the component is replaced. The specified verification should be paid extra attention when testing the telephone.
  For components that can be replaced only by using the Advanced Repair Process, "Advanced" is written, and for components not possible to replace, "Not available".

## 2.1 2/ROA 117 9192/1

| 2/ROA 117 9192/1 | | | | |
|---|---|---|---|---|
| **Pos.** | **Description** | **Part Number** | **Ref.** | **Comments** |
| | Frame assembly | SXK 107 7332 | | |
| | Dome assembly | SXK 107 6938 | | |
| | Marking plate | SVF 930 102 | | |
| 14 | RF-shielding/Gasket | SXA 104 8421 | | |
| B320 | Quartz crystal unit | | | Advanced |
| B600 | Quartz crystal unit | RTM 501 679/1 R1A | Other problems | Verify Real Time Clock |
| C201 | Capacitor | RJC 463 3022/33 | | |
| C202 | Capacitor | RJC 463 3022/1 | | |
| C203 | Capacitor | RJC 463 3022/22 | | |
| C205 | Capacitor | RJC 463 3022/33 | | |
| C207 | Capacitor | RJC 463 3021/22 | | |
| C208 | Capacitor | RJC 463 3021/22 | | |
| C209 | Capacitor | RJC 463 3022/33 | | |
| C210 | Capacitor | RJC 463 3022/33 | | |
| C211 | Capacitor | RJC 463 3023/1 | Network problems | |
| C212 | Capacitor | RJC 463 3023/1 | Network problems | |
| C213 | | | | Not mounted |
| C214 | Capacitor | RJC 464 3025/1 | Network problems | |
| C220 | Capacitor | RJC 463 3023/12 | | |
| C221 | Capacitor | RJC 463 3023/12 | | |
| C231 | Capacitor | RJC 464 3025/1 | | |
| C232 | Capacitor | RJC 464 3025/1 | | |
| C300 | Capacitor | RJC 464 3025/1 | | |
| C301 | Capacitor | RJC 463 3022/56 | | |

| 2/ROA 117 9192/1 | | | | |
|---|---|---|---|---|
| **Pos.** | **Description** | **Part Number** | **Ref.** | **Comments** |
| C302 | Capacitor | RJC 463 3023/1 | | |
| C303 | Capacitor | RJC 464 3036/22 | Network problems | |
| C304 | 0 | Not mounted | | |
| C311 | Capacitor | RJC 464 3023/82 | | |
| C312 | Capacitor | RJA 532 4055/12 | Network problems | |
| C313 | Capacitor | RJC 464 3023/47 | | |
| C320 | Capacitor | | | Advanced |
| C321 | Capacitor | | | Advanced |
| C322 | Capacitor | | | Advanced |
| C323 | Capacitor | | | Advanced |
| C324 | Capacitor | | | Advanced |
| C330 | Capacitor | | | Not available |
| C331 | Capacitor | | | Not available |
| C332 | Capacitor | | | Not available |
| C333 | Capacitor | | | Not available |
| C334 | Capacitor | RJC 516 4047/47 | | |
| C335 | Capacitor | | | Not available |
| C336 | Capacitor | | | Not available |
| C337 | Capacitor | | | Not available |
| C338 | Capacitor | | | Not available |
| C340 | Capacitor | RJC 463 3022/22 | | |
| C341 | Capacitor | RJC 463 3022/22 | | |
| C342 | Capacitor | RJC 464 3025/1 | | |
| C343 | Capacitor | RJC 463 3022/22 | | |
| C344 | Capacitor | RJC 463 3022/22 | | |
| C345 | Capacitor | RJC 464 3036/22 | Network problems | |
| C346 | Capacitor | RJC 516 4047/47 | | |
| C360 | Capacitor | | | Advanced |
| C361 | Capacitor | | | Advanced |
| C362 | Capacitor | | | Advanced |
| C363 | Capacitor | | | Advanced |
| C372 | Capacitor | RJC 464 3025/1 | | |
| C373 | Capacitor | RJC 464 3025/1 | Network problems | |
| C380 | Capacitor | | | Advanced |
| C381 | Capacitor | | | Advanced |
| C382 | Capacitor | RJC 464 3035/68 | | |
| C384 | Capacitor | RJC 463 3022/68 | | |
| C391 | Capacitor | | | Not available |
| C392 | Capacitor | | | Not available |
| C393 | Capacitor | RJC 464 3025/1 | | |
| C394 | Capacitor | RJC 464 3025/1 | | |
| C400 | Capacitor | RJC 516 3058/1 | On/Off problems | |
| C401 | Capacitor | RJC 516 3058/1 | | |
| C410 | Capacitor | RJC 464 3036/1 | | |
| C420 | Capacitor | RJC 464 3023/22 | | |
| C421 | Capacitor | RJC 464 3023/33 | | |
| C422 | Capacitor | RJC 464 3023/33 | | |
| C423 | | | | Not mounted |
| C430 | Capacitor | RJC 463 3022/1 | | |

| 2/ROA 117 9192/1 | | | | |
|---|---|---|---|---|
| **Pos.** | **Description** | **Part Number** | **Ref.** | **Comments** |
| C453 | Capacitor | RJC 463 3022/1 | | |
| C454 | Capacitor | RJC 463 3022/22 | | |
| C455 | Capacitor | RJC 463 3020/5 | | |
| C456 | Capacitor | RJC 463 3020/82 | | |
| C457 | | | | Not mounted |
| C458 | Capacitor | RJC 463 3021/27 | | |
| C459 | Capacitor | RJC 463 3022/1 | | |
| C460 | Capacitor | RJC 463 3023/1 | | |
| C461 | Capacitor | RJC 463 3023/1 | | |
| C500 | Capacitor | RJC 516 3058/1 | Network problems | |
| C501 | Capacitor | RJC 516 3058/1 | Network problems | |
| C502 | Capacitor | RJC 516 3058/1 | | |
| C503 | Capacitor | RJC 516 3058/1 | | |
| C520 | Capacitor | RJC 516 4047/47 | | |
| C521 | Capacitor | RJC 464 3025/1 | | |
| C522 | Capacitor | RJC 516 4047/47 | | |
| C602 | Capacitor | RJC 464 3025/1 | | |
| C603 | Capacitor | RJC 464 3025/1 | | |
| C604 | Capacitor | RJC 464 3025/1 | | |
| C605 | Capacitor | RJC 464 3025/1 | | |
| C606 | Capacitor | RJC 464 3025/1 | | |
| C607 | Capacitor | RJC 464 3025/1 | | |
| C608 | Capacitor | RJC 464 3025/1 | | |
| C609 | Capacitor | RJC 464 3025/1 | | |
| C610 | Capacitor | RJC 464 3025/1 | | |
| C611 | Capacitor | RJC 464 3025/1 | | |
| C612 | Capacitor | RJC 464 3025/1 | | |
| C613 | Capacitor | RJC 464 3025/1 | | |
| C614 | Capacitor | RJC 464 3025/1 | | |
| C615 | Capacitor | RJC 464 3047/1 | | |
| C619 | | | | Not mounted |
| C620 | | | | Not mounted |
| C640 | Capacitor | | | Advanced |
| C641 | Capacitor | | | Advanced |
| C642 | Capacitor | | | Advanced |
| C643 | Capacitor | | | Advanced |
| C645 | | | | Not mounted |
| C650 | Capacitor | RJC 463 3022/22 | | |
| C651 | | | | Not mounted |
| C652 | | | | Not mounted |
| C653 | | | | Not mounted |
| C654 | Capacitor | RJC 463 3022/68 | | |
| C655 | Capacitor | RJC 463 3023/1 | | |
| C656 | Capacitor | RJC 463 3022/68 | | |
| C657 | Capacitor | RJC 463 3023/1 | | |
| C658 | Capacitor | RJC 463 3022/1 | | |
| C660 | Capacitor | RJC 463 3022/22 | | |
| C667 | Capacitor | RJC 464 3047/1 | | |

| 2/ROA 117 9192/1 | | | | |
|---|---|---|---|---|
| **Pos.** | **Description** | **Part Number** | **Ref.** | **Comments** |
| C668 | Capacitor | RJC 464 3024/1 | | Verify handsfree earphone function |
| C669 | | | | Not mounted |
| C670 | | | | Not mounted |
| C671 | | | | Not mounted |
| C672 | | | | Not mounted |
| C673 | | | | Not mounted |
| C674 | Capacitor | RJC 464 3025/1 | Display/Illumination problems | |
| C675 | Capacitor | RJC 464 3047/1 | Display/Illumination problems | |
| C676 | Capacitor | RJC 464 3047/1 | Display/Illumination problems | |
| C680 | Capacitor | RJC 464 3023/82 | | |
| C681 | Capacitor | RJC 464 3023/82 | Alert problems | |
| C682 | Capacitor | RJC 516 3525/68 | | |
| C683 | | | | Not mounted |
| C690 | Capacitor | RJC 463 3022/22 | Other problems | Verify Real Time Clock |
| C691 | Capacitor | RJC 463 3022/22 | Other problems | Verify Real Time Clock |
| C692 | Capacitor | RJC 464 3025/1 | | Verify Real Time Clock |
| C701 | Capacitor | RJC 464 3036/1 | | |
| C702 | Capacitor | RJC 516 3557/47 | On/Off problems | |
| C703 | Capacitor | RJC 516 3557/47 | On/Off problems | |
| C705 | Capacitor | RJC 516 4047/47 | | |
| C706 | | | | Not mounted |
| C710 | | | | Not mounted |
| C711 | | | | Not mounted |
| C720 | Capacitor | RJE 357 1256/3 | Other problems | Verify Real Time Clock |
| C721 | Capacitor | RJC 463 3022/22 | | |
| C730 | | | | Not mounted |
| C731 | | | | Not mounted |
| C732 | | | | Not mounted |
| C733 | | | | Not mounted |
| C734 | Capacitor | RJC 464 3047/1 | SIM problems | Verify SIM function |
| C735 | Capacitor | RJC 464 3035/68 | SIM problems | Verify SIM function |
| C736 | Capacitor | RJC 464 3047/1 | SIM problems | Verify SIM function |
| C740 | Capacitor | RJC 516 3557/47 | On/Off problems | |
| C750 | Capacitor | RJC 539 3145/22 | Alert problems | Verify illumination function |
| C751 | Capacitor | RJC 516 3047/22 | Alert problems | Verify illumination function |
| C752 | Capacitor | RJC 464 3025/1 | | |
| C753 | Capacitor | RJC 464 3034/56 | | |
| C755 | | | | Not mounted |
| C756 | Capacitor | RJC 464 3036/1 | | |
| C757 | | | | Not mounted |
| C760 | Capacitor | RJC 464 3047/1 | | |
| C761 | Capacitor | RJC 516 3557/47 | | |
| C762 | Capacitor | RJC 516 3557/47 | | |

| 2/ROA 117 9192/1 | | | | |
|---|---|---|---|---|
| **Pos.** | **Description** | **Part Number** | **Ref.** | **Comments** |
| C763 | Capacitor | RJC 464 3047/1 | | |
| C765 | Capacitor | RJC 464 3035/68 | | |
| C766 | Capacitor | RJC 464 3035/68 | | |
| C767 | Capacitor | RJC 464 3035/68 | | |
| C768 | Capacitor | RJC 464 3035/68 | | |
| C770 | Capacitor | RJC 464 3035/68 | | |
| C800 | Capacitor | RJC 464 3025/1 | | |
| C802 | Capacitor | RJC 464 3025/1 | | |
| C803 | Capacitor | RJC 464 3025/1 | | |
| C804 | Capacitor | RJC 464 3025/1 | | |
| C805 | Capacitor | RJC 464 3025/1 | | |
| C806 | Capacitor | RJC 464 3025/1 | | |
| C810 | Capacitor | RJC 464 3035/33 | Audio problems | Verify handsfree mic function |
| C812 | Capacitor | RJC 516 3525/68 | Audio problems | Verify handsfree mic function |
| C813 | Capacitor | RJC 516 3047/22 | Audio problems | Verify handsfree earphone function |
| C815 | Capacitor | RJC 463 3022/22 | | Verify mic function |
| C816 | Capacitor | RJC 464 3025/1 | | Verify mic function |
| C817 | Capacitor | RJC 464 3024/1 | Audio problems | Verify handsfree mic function |
| C818 | Capacitor | RJC 516 3525/68 | Audio problems | Verify mic function |
| C819 | Capacitor | RJC 516 3525/68 | Audio problems | Verify mic function |
| C820 | Capacitor | RJC 463 3022/22 | | |
| C821 | 0 | Not mounted | | |
| C822 | 0 | Not mounted | | |
| C823 | 0 | Not mounted | | |
| C825 | 0 | Not mounted | | |
| C826 | Capacitor | RJC 464 3025/1 | | |
| C829 | Capacitor | RJC 463 3022/22 | | Verify mic function |
| C830 | Capacitor | RJC 463 3022/22 | | Verify mic function |
| C833 | Capacitor | RJC 516 3525/68 | | |
| C834 | | | | Advanced |
| C835 | Capacitor | RJC 516 3047/22 | Audio problems | Verify mic function |
| C840 | Capacitor | RJC 463 3022/22 | | |
| C842 | Capacitor | RJC 463 3022/22 | | |
| C850 | Capacitor | RJC 516 3525/68 | Audio problems | |
| C852 | Capacitor | RJC 516 3525/68 | | |
| C853 | Capacitor | RJC 516 3525/68 | | |
| C854 | Capacitor | RJC 516 3525/68 | | |
| C855 | Capacitor | RJC 516 3525/68 | | |
| C860 | | | | Not mounted |
| C861 | | | | Not mounted |
| C862 | | | | Not mounted |
| C900 | Capacitor | RJC 464 3025/1 | | |
| C902 | Capacitor | RJC 464 3025/1 | | |
| C903 | Capacitor | RJC 464 3025/1 | | |
| C904 | Capacitor | RJC 464 3025/1 | | |

| 2/ROA 117 9192/1 | | | | |
|---|---|---|---|---|
| **Pos.** | **Description** | **Part Number** | **Ref.** | **Comments** |
| C905 | Capacitor | RJC 464 3025/1 | | |
| C906 | Capacitor | RJC 464 3025/1 | | |
| C907 | Capacitor | RJC 464 3025/1 | | |
| D300 | Microcircuit/pll/synthesizer | Not available | | |
| D430 | Resistor | REP 015 136/4 | | |
| D431 | Resistor | REP 015 136/6 | | |
| D600 | Prod. Adapt. Circuit/asic | ROP 101 1113/5C R8A | | u-BGA, Aditional Soldering Process required |
| D610 | Microcircuit/flash | RYT 118 6148/1 | | u-BGA, Aditional Soldering Process required |
| D630 | Microcircuit/eeprom | | | Not available |
| D631 | Microcircuit/eeprom | | | Not available |
| D900 | Functional circuit/dsp | RYS 105 639/2C R4B | | u-BGA, Aditional Soldering Process required |
| F601 | Varistor | REY 203 08/1 | | Verify handsfree earphone function |
| F603 | Varistor | REY 203 08/1 | | Verify handsfree mic function |
| H600 | Buzzer | KLJ 107 11/2 | Alert problems | Verify buzzer function |
| H650 | Light emitting diode | RKZ 433 666/1 | Alert problems | Verify top indicator function |
| J602 | Connector | RNV 403 180/2 | Audio problems | |
| J603 | Component holder | RNK 860 43/1 | SIM problems | Verify SIM function |
| J820 | Toggle switch | RMF 356 111/01 | Key problems | Verify keyboard function |
| L200 | Inductor | REG 724 9342/15 | | |
| L201 | Inductor | REG 724 9331/39 | | |
| L202 | Inductor | REG 724 9342/33 | | |
| L203 | Inductor | REG 724 9342/33 | | |
| L204 | Inductor | REG 724 9342/22 | Network problems | |
| L205 | | | | Not mounted |
| L211 | Inductor | REG 724 9342/33 | Network problems | |
| L231 | Inductor | REG 724 9342/33 | | |
| L232 | Inductor | REG 724 9342/33 | | |
| L250 | | | | Not mounted |
| L300 | Inductor | REG 704 494/22 | | |
| L301 | | | | Not mounted |
| L330 | Inductor | | | Not available |
| L331 | Inductor | | | Not available |
| L340 | Inductor | REG 704 494/56 | | |
| L360 | Transformer | | | Advanced |
| L361 | Transformer | | | Advanced |
| L370 | Transformer | REG 706 18/1 | Network problems | |
| L390 | Inductor | | | Not available |
| L391 | Inductor | | | Not available |

| 2/ROA 117 9192/1 | | | | |
|---|---|---|---|---|
| **Pos.** | **Description** | **Part Number** | **Ref.** | **Comments** |
| L459 | Inductor | REG 724 9342/12 | | |
| L460 | Transformer | | | Advanced |
| L500 | Inductor | REG 724 222/22 | Network problems | |
| L750 | Inductor | REG 724 403/68 | Alert problems | Verify illumination function |
| L840 | Emi filter | REG 706 18/2 | | |
| L842 | Emi filter | REG 706 18/2 | | |
| N200 | Microcircuit/rf diode switch with lpf | RYT 901 903/1 R1A | Network problems | |
| N201 | Transformer/balun 1842.5 mhz | REG 135 93/1 | | |
| N234 | Prod. Adapt. Circuit/asic | | Network problems | Not available |
| N351 | Prod. Adapt. Circuit/asic tx-vco | | Network problems | Not available |
| N400 | Microcircuit/mmic pa gsm/dcs | | | Advanced |
| N502 | Microcircuit/voltage rgulator 3.8v 0.05a | RYT 113 6167/1 | Network problems | |
| N700 | Prod. Adapt. Circuit/asic | Advanced, BGA | | |
| N740 | Microcircuit/1.8v 150ma line regulator | RYT 113 6157/1 | On/Off problems | |
| N750 | Prod. Adapt. Circuit/asic | ROP 101 1129/C R1A | Alert problems | Verify illumination function |
| N760 | Microcircuit/2.8v ldo volt reg 150ma | RYT 113 6110/2C | | |
| N761 | Diode bridge/ir-modul, transcevier | RKZ 923 604/1 | Data communication problems | |
| N762 | Prod. Adapt. Circuit/asic | ROP 101 1078/C R3A | On/Off problems, Data communication problems | |
| N763 | Microcircuit/flash | RYT 118 6144/1 | | u-BGA, Aditional Soldering Process required. Verify IRDA function |
| N764 | Microcircuit/74hc1g 126 bus buffer 3s | RYT 326 6126/2C | | |
| N800 | Prod. Adapt. Circuit/ic asic | | Audio problems | Advanced |
| R200 | Resistor | REP 622 453/27 | | |
| R201 | Resistor | REP 622 455/1 | | |
| R220 | Resistor | REP 622 001/0 | Network problems | |
| R221 | Resistor | REP 622 001/0 | Network problems | |
| R222 | Resistor | REP 622 001/0 | Network problems | |
| R223 | Resistor | REP 622 001/0 | Network problems | |
| R303 | Resistor | REP 622 452/18 | Network problems | |
| R310 | Resistor | REP 622 654/36 | | |
| R311 | Resistor | REP 622 454/27 | | |
| R320 | Resistor | | | Advanced |

| 2/ROA 117 9192/1 | | | | |
|---|---|---|---|---|
| **Pos.** | **Description** | **Part Number** | **Ref.** | **Comments** |
| R321 | Resistor | | | Advanced |
| R322 | Resistor | | | Advanced |
| R330 | Resistor | | | Not available |
| R331 | Resistor | | | Not available |
| R332 | Resistor | | | Not available |
| R333 | Resistor | | | Not available |
| R334 | Resistor | REP 622 452/1 | Network problems | |
| R340 | Resistor | REP 622 452/47 | | |
| R345 | Resistor | REP 622 452/18 | Network problems | |
| R346 | Resistor | REP 622 001/0 | | |
| R360 | Resistor | | | Advanced |
| R361 | Resistor | | | Advanced |
| R362 | Resistor | REP 622 455/18 | Network problems | |
| R363 | Resistor | REP 622 453/12 | | |
| R380 | Resistor | Advanced | | |
| R381 | Resistor | REP 622 452/15 | | |
| R382 | Resistor | REP 622 453/47 | | |
| R391 | Resistor | | | Not available |
| R392 | Resistor | | | Not available |
| R394 | Resistor | REP 622 452/56 | | |
| R400 | Resistor | | Network problems | Advanced |
| R410 | Resistor | REP 622 001/0 | | |
| R420 | Resistor | REP 622 454/22 | | |
| R422 | Resistor | REP 622 001/0 | Network problems | |
| R504 | Resistor | REP 624 650/56 | | |
| R520 | | | | Not mounted |
| R530 | Resistor | REP 622 454/1 | | |
| R531 | Resistor | REP 622 454/1 | | |
| R603 | Resistor | REP 622 001/0 | Alert problems | Verify buzzer function |
| R609 | Resistor | REP 622 001/0 | | |
| R612 | Resistor | REP 622 001/0 | | |
| R614 | Resistor | REP 622 001/0 | Display/Illumination problems | Verify display function |
| R615 | Resistor | REP 622 001/0 | Display/Illumination problems | Verify display function |
| R619 | Resistor | REP 622 454/68 | Display/Illumination problems | |
| R620 | Resistor | REP 622 454/68 | Display/Illumination problems | |
| R621 | Resistor | REP 622 453/22 | | |
| R622 | Resistor | REP 622 453/47 | | Verify flash function |
| R623 | Resistor | REP 622 453/47 | | |
| R624 | Resistor | REP 622 455/39 | | |
| R625 | Resistor | REP 622 453/22 | | Verify flash function |
| R626 | Resistor | REP 622 455/1 | | Verify flash function |
| R627 | Resistor | REP 622 653/15 | Alert problems | Verify vibrator function |
| R628 | Resistor | REP 622 654/15 | Alert problems | Verify vibrator function |
| R630 | Resistor | REP 622 001/0 | | |
| R631 | Resistor | REP 622 001/0 | | |

| 2/ROA 117 9192/1 | | | | |
|---|---|---|---|---|
| **Pos.** | **Description** | **Part Number** | **Ref.** | **Comments** |
| R632 | | | | Not mounted |
| R633 | Resistor | REP 622 001/0 | | |
| R634 | Resistor | REP 622 453/22 | | Verify flash function |
| R635 | Resistor | REP 622 453/22 | | |
| R636 | Resistor | REP 622 453/47 | | Verify flash function |
| R637 | Resistor | REP 622 454/1 | | |
| R638 | Resistor | REP 622 453/47 | | |
| R640 | Resistor | REP 622 452/82 | Audio problems | Verify handsfree earphone function |
| R642 | Resistor | | | Advanced |
| R643 | Resistor | | | Advanced |
| R644 | Resistor | | | Advanced |
| R645 | Resistor | | | Advanced |
| R646 | Resistor | REP 622 453/22 | Alert problems | Verify top indicator function |
| R648 | Resistor | REP 622 001/0 | | |
| R649 | | | | Not mounted |
| R650 | Resistor | REP 622 456/1 | | Verify flash function |
| R651 | Resistor | REP 622 454/1 | Alert problems | Verify buzzer function |
| R652 | Resistor | REP 622 456/1 | | |
| R655 | Resistor | REP 623 001/0 | | |
| R682 | Resistor | REP 622 454/1 | Alert problems | Verify vibrator function |
| R683 | Resistor | REP 622 656/1 | Alert problems | Verify vibrator function |
| R697 | Resistor | REP 622 455/1 | | |
| R700 | Resistor | REP 622 654/33 | | Verify Real Time Clock |
| R701 | Resistor | REP 622 656/1 | | |
| R703 | Resistor | REP 622 001/0 | | |
| R705 | Resistor | REP 622 001/0 | Audio problems | |
| R710 | Resistor | | Capacity/Charging problems | Advanced |
| R711 | Resistor | REP 622 001/0 | Capacity/Charging problems | Verify charging function |
| R720 | Resistor | REP 622 455/1 | | |
| R721 | Resistor | REP 622 001/0 | | |
| R730 | Resistor | REP 622 455/15 | SIM problems | Verify SIM function |
| R731 | Resistor | REP 622 452/33 | SIM problems | Verify SIM function |
| R732 | Resistor | REP 622 001/0 | SIM problems | Verify SIM function |
| R733 | Resistor | REP 622 452/33 | SIM problems | Verify SIM function |
| R734 | Resistor | REP 622 455/1 | SIM problems | Verify SIM function |
| R746 | Resistor | REP 622 454/1 | | |
| R750 | Resistor | REP 622 655/15 | Alert problems | Verify illumination function |
| R751 | Resistor | REP 622 655/22 | | |
| R755 | Resistor | REP 622 454/47 | | |
| R756 | Resistor | REP 622 456/22 | | |
| R760 | Resistor | REP 622 655/47 | | |
| R761 | Resistor | | | Advanced |
| R762 | Resistor | REP 622 456/1 | | |
| R763 | Resistor | REP 622 452/18 | | |

| 2/ROA 117 9192/1 | | | | |
|---|---|---|---|---|
| **Pos.** | **Description** | **Part Number** | **Ref.** | **Comments** |
| R766 | Resistor | REP 622 655/1 | | |
| R767 | Resistor | REP 622 655/47 | | |
| R769 | Resistor | REP 622 655/1 | | |
| R770 | Resistor | REP 622 654/1 | | |
| R802 | Resistor | REP 622 454/39 | Audio problems | Verify handsfree mic function |
| R803 | Resistor | REP 622 454/1 | Audio problems | Verify handsfree mic function |
| R804 | Resistor | REP 622 456/1 | Audio problems | Verify handsfree earphone function |
| R805 | Resistor | REP 622 455/15 | Audio problems | Verify handsfree mic function |
| R809 | Resistor | REP 622 001/0 | | |
| R812 | Resistor | REP 622 454/1 | Audio problems | Verify mic function |
| R814 | Resistor | REP 622 001/0 | Audio problems | Verify mic function |
| R815 | Resistor | REP 622 456/1 | | |
| R817 | Resistor | REP 622 454/1 | Audio problems | Verify mic function |
| R818 | Resistor | REP 622 455/22 | Audio problems | Verify mic function |
| R819 | Resistor | REP 622 454/1 | Audio problems | Verify mic function |
| R820 | Resistor | REP 622 454/1 | | Verify mic function |
| R822 | Resistor | REP 622 456/1 | | |
| R823 | Resistor | REP 622 456/1 | | |
| R825 | Resistor | REP 622 454/27 | Audio problems | Verify portable handsfree mic function |
| R831 | Resistor | REP 622 654/47 | | |
| R832 | Thermistor | REZ 401 0064/47 | | |
| R834 | Resistor | | | Advanced |
| R846 | Resistor | REP 622 655/22 | | |
| R847 | Resistor | REP 622 656/1 | | |
| R850 | Resistor | REP 622 655/47 | Audio problems | |
| R900 | Resistor | REP 622 455/1 | | |
| R902 | Resistor | REP 622 455/1 | | |
| R904 | Resistor | REP 622 454/1 | | |
| R907 | Resistor | REP 622 456/1 | | |
| R908 | Resistor | REP 622 456/1 | | |
| R909 | Resistor | REP 622 456/1 | | |
| R914 | Resistor | REP 622 001/0 | | |
| W100 | Connector | RPT 403 298/002 | Network problems, On/Off problems | |
| V202 | Transistor | RYN 121 6069/1 | | |
| V301 | Diode | | | Not available |
| V302 | Diode | | | Not available |
| V321 | Diode | | | Advanced |
| V322 | Diode | | | Advanced |
| V390 | Diode | | | Not available |
| V391 | Diode | | | Not available |
| V500 | Diode | RKZ 123 654/1 | Network problems, On/Off problems | |
| V502 | Transistor | RYN 121 6107/1 | | |

| 2/ROA 117 9192/1 | | | | |
|---|---|---|---|---|
| **Pos.** | **Description** | **Part Number** | **Ref.** | **Comments** |
| V503 | Transistor | RYN 120 629/2 | | |
| V504 | Transistor | RYN 120 629/2 | | |
| V600 | Transistor | RYN 121 6069/1 | | |
| V603 | Diode | RKZ 223 646/2 | | Verify flash function |
| V605 | Diode | RKZ 123 647/1 | Alert problems | Verify buzzer function |
| V606 | Transistor | RYN 121 1621/1 | Alert problems | Verify buzzer function |
| V607 | Transistor | RYN 121 6069/1 | On/Off problems | Verify flash function |
| V610 | Diode | RKZ 123 647/1 | On/Off problems | Verify keyboard function |
| V620 | Diode | RKZ 223 645/2 | | |
| V621 | Transistor | RYN 120 629/2 | Alert problems | Verify vibrator function |
| V623 | Transistor | RYN 121 6008/1 | Alert problems | Verify vibrator function |
| V710 | Transistor | RYN 122 641/1 | Capactiy/Charging problems | Verify charging function |
| V711 | Diode | RKZ 123 646/2 | | |
| V765 | Transistor | RYN 121 6069/1 | | |
| V766 | Transistor | RYN 121 675/2 | | |
| V805 | Diode | RKZ 123 646/2 | | Verify mic function |
| V806 | | | | Not mounted |
| V807 | Diode | RKZ 123 646/2 | | |
| V840 | Diode | | | Advanced |
| X100 | Connector | RPT 403 309/1 | | |
| X680 | Contact | SND 210 46/1 | Alert problems | |
| X681 | Contact | SND 210 46/1 | | |
| X831 | Contact | SND 210 46/1 | Audio problems | |
| X832 | Contact | SND 210 46/1 | Audio problems | |
| Z200 | Quartzcrystal filter | RTN 201 908/1 R1A | Network problems | |
| Z201 | Quartzcrystal filter | RTN 201 906/1 R1A | Network problems | |

# 3 Revision History

| Rev. | Date | Changes / Comments |
|---|---|---|
| B | 2000-03-22 | Exploded View and Mechanical Item list removed.<br>Numerous changes in Part List.<br>Document title and layout changed. |